

FEMA (Risk Map) Stones River Project Summary

Project Sponsor: FEMA

Project Area: Stones River, TN

Acquisition Dates: Spring 2011

Technical Summary:

FEMA “High” Risk Level

Nominal Point Spacing – ≤ 2 meters (about 1.4 meters nominal for this)

Vertical Accuracy – 24.5 cm RMSEz (suitable for 4 foot contours)

Horizontal Accuracy: Not specified, but at 2 meters RMSE or better

Vertical Datum: NAVD88

Horizontal Datum: NAD83

Coordinate System: TN State Plane Coordinate System

Units: U.S. Survey Feet

Tiling Scheme: 5000 x 5000 feet for point cloud

Products:

- LiDAR point cloud in LAS format (per USGS version 13 specs)
- Hydro Breaklines in an Esri Personal Geodatabase format
- Low Confidence Polygons in an Esri Personal Geodatabase format
- Acquisition, Post Processing, and other Project Reports
- Metadata

The acquisition area for this project is outlined in red in the graphic below. The post processing area, however, does not include all acquired data. The post processing area is shown with a red hatch in the graphic below.

Project Area – Stones River, TN

